
STUDIES IN MIDDLE AMERICAN BROMELIACEAE II

Mezobromelia is distinguished from other members of the subfamily *Tillandsioideae* by epipetalous stamens and biappendaged petals that are agglutinate or connate for a significant portion of their length. Smith (Smith & Downs, 1977) recognized two species in the genus, and Rauh (1976, 1977) described two more. Recent collections from Costa Rica of flowering material congruent with *Vriesea splitgerberi* (Utley & Utley 7141) show that the petals of this species are biappendaged and connate. These characteristics, in conjunction with the polystichously flowered inflorescence branches (a condition rarely encountered in *Vriesea* but common in *Mezobromelia*), strongly suggest that this species is better treated as a member of *Mezobromelia*. Gouda (1987) presented evidence that *V. splitgerberi* is conspecific with *Tillandsia pleiosticha* and proposed the combination *Vriesea pleiosticha*. Because we consider the species to be better placed in *Mezobromelia*, we propose the following new combination.

Mezobromelia pleiosticha (Griseb.) Utley & Luther, comb. nov. *Tillandsia pleiosticha* Griseb., Nachr. Konigl. Ges. Wiss. Georg Göttingen-Augusts-Univ. 1864: 19. 1865. *Vrie-*

sea pleiosticha (Griseb.) Gouda, Fl. Guianas, Ser. A 189: 82. 1987. TYPE: Venezuela: *Fendler* 1514 (holotype, GOET).

Guzmania splitgerberi Mez, Monogr. Phan. 9: 930. 1896. *Thecophyllum splitgerberi* (Mez) Pittendr., Evolution 2: 60. 1948. *Vriesea splitgerberi* (Mez) Lyman B. Smith & Pittendr., J. Wash. Acad. Sci. 43: 403. 1954. TYPE: Surinam: *Splitgerber* 966 (holotype, L).

LITERATURE CITED

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—John F. Utley, Department of Biological Sciences, University of New Orleans, New Orleans, Louisiana 70148, U.S.A. and Harry Luther, The Marie Selby Botanical Gardens, 800 South Palm Avenue, Sarasota, Florida 33577, U.S.A.